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Application No. 10/709,138
Amendment dated October 22, 2007
Reply to Office Action of July 20, 2007

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Docket No.: 80300(302750)

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (currently amended) A method of manufacturing a wiring substrate, comprising the steps of:

preparing a substrate having an insulating body and a conductive pattern having electrodes formed on the insulating body, the electrodes on which connection pads of an electronic part are connected;

adhering a catalytic metal serving as a catalyst of an electroless plating onto the insulating body and the conductive pattern;

coating selectively an oxidizing agent, which can oxidize the catalytic metal and make the catalytic metal in an inactive state to the electroless plating, on the catalytic metal in a space portion between the electrodes of the conductive pattern; and

forming selectively a metal layer on the conductive pattern by the electroless plating,

wherein the conductive pattern is arranged in a state such that the distance between the electrodes of the conductive pattern in the space portion between the electrodes has a plurality of different values, the oxidizing agent is selectively coated in the space portions in which are the distance between the electrodes is smaller than 30 μ m in order to prevent short circuits, thereby, the step of forming a solder resist pattern on the space portion is omitted by forming the oxidizing agent.

Claim 2 (canceled)

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Claim 3 (currently amended) The method of manufacturing a wiring substrate according to claim 1, wherein the step of selectively coating the oxidizing agent is carried out by an ink jet method.

Claim 4 (currently amended) The method of manufacturing a wiring substrate according to claim 1, wherein the step of adhering the catalytic metal onto the insulating body and the conductive pattern includes the step of coating an activating solution containing ions of the catalytic metal to deposit the catalytic metal by an oxidation-reduction reaction.

Claims 5-6 (canceled)

Claim 7 (currently amended) The method of manufacturing a wiring substrate according to claim 1, wherein the catalytic metal is palladium, and the metal layer formed by the electroless plating is a nickel layer or a copper layer.

Claim 8 (canceled)

Claim 9 (canceled)

Claim 10 (currently amended) An electroless plating The method of manufacturing a wiring substrate according to claim 1, wherein the oxidizing agent is one of an H₂SO₄ solution and a mixed solution consisting of H₂SO₄ and HC1.

Claim 11 (canceled)

Claim 12 (canceled)